

APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: WCGMA35A; Type: Wireless Charger; Serial: 09H69

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 13.600 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 13.600$ MHz; $\text{cond} = 0.787$ S/m; $\text{perm} = 53.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/23/2025; Ambient Temp: 21.9°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7539; ConvF:(18.32,18.43,20.5); Calibrated: 2024-11-11

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1415; Calibrated: 2025-03-11

Phantom: ELI V8.0 (20deg probe tilt); Serial: 2077

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: NFC, Body SAR, Front Side

Area Scan (150.0 x 150.0): Measurement grid: $\text{dx}=15.0$ mm, $\text{dy}=15.0$ mm

Zoom Scan (54.0 x 48.0 x 31.2): Measurement grid: $\text{dx}=6.0$ mm, $\text{dy}=6.0$ mm, $\text{dz}=1.5$ mm; Graded Ratio: 1.5

Reference Value = 0.04 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.094 W/kg

SAR(1 g) = 0.038 W/kg

Smallest distance from peaks to all points 3 dB below is 9.4 mm

Ratio of SAR at M2 to SAR at M1 = 69.4 %

